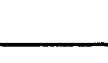
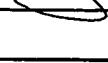


Form PTO-1449		U.S. Department of Commerce Patent and Trademark Office							Atty. Docket No. P23696	Serial No. 10/646,723	 MAY 17 2004 <small>PATENT & TRADEMARK OFFICE</small>			
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		Applicant Hiroshi NOMURA												
		Filing Date August 25, 2003				Group 2851								
U.S. PATENT DOCUMENTS														
EXAMINER INITIAL		DOCUMENT NUMBER					DATE	NAME		CLASS	SUBCLASS	FILING DATE IF APPROPRIATE		
	2004	/0	0	4	2	0	9	5	03/04/04	NOMURA				
	2004	/0	0	4	2	0	9	3	03/04/04	NOMURA				
	2004	/0	0	6	2	5	3	6	04/01/04	NOMURA				
	2004	/0	0	5	1	9	6	8	03/18/04	NOMURA				
	2004	/0	0	5	1	9	7	0	03/18/04	NOMURA				
	2004	/0	0	6	2	5	3	7	04/01/04	NOMURA				
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	2004	/0	0	5	1	9	7	1	03/18/04	NOMURA				
	2004	/0	0	4	2	7	7	7	03/04/04	NOMURA				
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		4	5	2	5	0	5	0	06/25/85	OHASHI				
		4	6	4	3	5	5	5	02/17/87	WAKABAYASHI				
		4	7	2	1	9	7	2	01/26/88	WAKABAYASHI				
		4	7	9	2	8	2	2	12/20/88	AKIYAMA et al.				
		5	8	1	8	6	4	7	10/06/98	NISHIO et al.				
		6	0	3	1	9	9	8	02/29/00	SHONO				
		4	4	5	1	1	2	9	05/29/84	IKARI et al.				
EXAMINER <u>D. Gray</u>							DATE CONSIDERED <u>9/2/04</u>							
<small>*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</small>														

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EXAMINER INITIAL		DOCUMENT NUMBER				DATE	NAME			CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		4	6	4	3	5	5	4	02/17/87	OGAWA		
		4	7	7	1	3	0	3	09/13/88	MATSUMOTO et al.		
		4	8	8	7	1	0	7	12/12/89	NAKAMURA et al.		
		5	1	3	6	3	2	4	08/04/92	TSUBOI et al.		
		5	7	6	5	0	4	9	06/09/98	HASE et al.		
		5	8	3	2	3	2	6	11/03/98	TANAKA		
		6	3	6	6	3	2	3	04/02/02	SHONO		
		6	1	1	5	1	9	0	09/05/00	HIRAI		
		6	0	6	4	5	3	3	05/16/00	KENIN et al.		
	2003	/0	0	8	1	3	2	5	05/01/03	NOMURA et al.		
	2001	/0	0	2	4	5	7	3	09/27/01	NOMURA et al.		
	2002	/0	1	3	5	9	0	0	09/26/02	NOMURA et al.		
		6	0	7	5	6	5	5	06/13/00	FUNAHASHI		
	2002	/0	1	3	5	9	0	1	09/26/02	NOMURA et al.		
	2003	/0	0	8	1	3	2	7	05/01/03	NOMURA et al.		
	2002	/0	1	3	5	8	9	6	09/26/03	NOMURA et al.		
		6	0	5	5	1	1	6	04/25/00	NOMURA et al.		
		6	2	0	4	9	7	7	03/20/01	IWASA		
		5	4	3	0	5	1	6	07/04/95	UZIIE et al.		
	2003	/0	0	8	1	9	4	8	05/01/03	NOMURA et al.		
	2001	/0	0	1	9	4	5	8	09/06/01	NOMURA et al.		
		4	9	9	3	8	1	5	02/19/91	YAMAZAKI et al.		
		5	7	3	1	9	1	3	03/24/98	IMANARI		
		5	7	3	9	9	6	2	04/14/98	ASAKURA et al.		
	2003	/0	1	5	6	8	3	2	08/21/03	NOMURA et al.		
		5	5	8	7	7	5	4	12/24/96	KATAYAMA et al.		
		6	0	5	2	5	3	5	04/18/00	UNO		
EXAMINER	<i>D. Gray</i>							DATE CONSIDERED	<i>9/2/04</i>			
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U.S. PATENT DOCUMENTS												
EXAMINER INITIAL		DOCUMENT NUMBER					DATE	NAME		CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		5	2	2	3	8	7	3	06/29/93	TSUBOI		
		5	0	8	6	3	1	2	02/04/92	TANAKA et al.		
		5	4	9	9	1	4	3	03/12/96	SAKAMOTO et al.		
		6	0	6	9	7	4	5	05/30/00	FUJII et al.		
		6	3	2	4	0	1	9	11/27/01	TAKANASHI et al.		
		5	4	8	5	3	1	5	01/16/96	NOMURA et al.		
FOREIGN PATENT DOCUMENTS												
		DOCUMENT NUMBER					DATE	COUNTRY		CLASS	SUBCLASS	TRANSLATION YES NO
		58	-	1	4	5	9	3	0	08/31/83	JAPAN	
		61	-	-	6	9	0	0	2	04/09/86	JAPAN	
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		6	-	1	8		7	7	7	01/28/94	JAPAN	
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FOREIGN PATENT DOCUMENTS											
		DOCUMENT NUMBER				DATE	COUNTRY		CLASS	SUBCLASS	TRANSLATION YES NO
	10	-	2	8	2	3 9 4	10/23/98	JAPAN		—	—
	58	-	1	6	2	9 1 4	09/27/83	JAPAN		—	—
		0	6	3	4	6 8 0	01/18/95	E.P.O.		—	—
		10	-	3	2	7 4 0	02/03/98	JAPAN		—	—
	7	-	2	8	8	7 2 4	10/31/95	JAPAN		—	X
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)											
	1	English Language Abstract of JP 58-10708.									
	2	English Language Abstract of JP 2003-207709.									
	3	English Language Abstract of JP 2002-277719.									
	4	English Language Abstract of JP 10-282394.									
	5	English Language Abstract of JP 58-162914.									
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